Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A method of Claim 12, further comprising:
allowing a foreign body capsule to form around the area of the implant unit.

2. (Cancelled)

3. (Original) The method of Claim 1, further comprising placing a material around the implant unit for promoting growth characteristics.

4. (Original) The method of Claim 1, wherein the implant unit comprises electronics.

5. (Original) The method of Claim 1, wherein the implant unit comprises a pump.

6. (Original) The method of Claim 1, wherein allowing a foreign body capsule to form comprises inserting materials around the implant unit to promote growth characteristics.

7. – 9. (Cancelled)

10. (Previously Presented) The method of Claim 1, wherein incising an area remote from a sensor location comprises incising an area of the body large enough for the sensor.

11. (Previously Presented) The method of Claim 10, wherein the incised area of the body large enough for the sensor is smaller than an incised area of the body large enough for inserting the implant unit.

12. (Previously Presented) A method for non-vascular implant of a sensor comprising:

incising an area of a body large enough for inserting an implant unit;

incising an area remote from a sensor location for inserting a sensor;

directing the sensor into a body cavity, disposing the sensor in a location remote from an incision through which the sensor is directed without passing the sensor through a vascular system;

connecting the sensor to the implant unit; and

inserting the implant unit into the body.

13. (Original) The method of Claim 12, wherein inserting the implant unit into the body comprises inserting the implant unit into a pocket formed when incising an area of the body large enough for inserting the implant unit.

14. (Original) The method of Claim 12, further comprising fixing the sensor in place using suture.

15. (Currently Amended) A non-vascular implant system comprising:

an implant unit configured to be implanted in a first area of a patient's body; ~~and~~

a sensor for detecting a physiological parameter, the sensor being separate from and connectable to the implant unit, the sensor being configured to be disposed in a second area of a patient's body remote from the first area of the patient's body, and

a tool for creating a subcutaneous tunnel from the first area of the patient's body to the second area of the patient's body;

~~wherein the implant unit is configured for implantation in a human body,~~

wherein the sensor is configured to be placed in ~~an~~ the second area of the human body by passing the sensor through the tunnel without passing the sensor through a vascular system, and

wherein the sensor is configured to be connected to the implant unit after the implant unit is implanted in the human body.

16. (Original) The system of Claim 15, wherein the implant unit comprises a pump.

17. (Original) The system of Claim 15, wherein the implant unit comprises electronics.

18. (Original) The system of Claim 15, wherein the implant unit delivers drug to a human body.

19. (Original) The system of Claim 18, wherein the drug is insulin.

20. (Original) The system of Claim 15, wherein the sensor comprises a biomolecule.

21. (Original) The system of Claim 15, wherein the sensor comprises a lead.

22. (Original) The system of Claim 15, wherein the sensor comprises a sensing element.

23. (Original) The system of Claim 22, wherein the sensing element is a biomolecule.

24. (Original) The system of Claim 23, wherein the biomolecule is a glucose oxidase enzyme.

25. (Original) The system of Claim 15, wherein the physiological parameter is oxygen.

26. (Original) The system of Claim 15, wherein the physiological parameter is glucose.

27. (Original) The system of Claim 15, wherein the non-vascular area of the human body is the peritoneum.

28. (Original) The system of Claim 15, wherein the non-vascular area of the human body is subcutaneous tissue.

29. (Original) A method for non-vascular implant of a sensor comprising:

incising an area of a body large enough for inserting an implant unit;

creating a tunnel in subcutaneous tissue;

directing the sensor through the tunnel;

connecting the sensor to the implant unit; and

inserting the implant unit into the body.

30. (Original) The method of Claim 29, wherein the tunnel is created using a blunt instrument.

31. (Original) The method of Claim 29, wherein the blunt instrument causes minimal trauma to the subcutaneous tissue.

32. (Original) The method of Claim 29, wherein the blunt instrument is a trocar.

33. (Previously Presented) A method as recited in claim 29, further comprising:

allowing a foreign body capsule to form around the implant unit.

34. (New) The method of Claim 12, wherein incising an area remote from a sensor location comprises creating a tunnel extending from the area incised for inserting the implant unit.

35. (New) The method of Claim 34, wherein connecting the sensor to the implant unit comprises extending electrical leads through the tunnel.

36. (New) The method of Claim 12, wherein incising an area remote from a sensor location comprises tunneling an introducer from the area incised for inserting the implant unit, through subcutaneous tissue, to an area remote from the area incised for inserting the implant unit.

37. (New) The method of Claim 36, wherein connecting the sensor to the implant unit comprises extending electrical leads through a tunnel formed in the subcutaneous tissue by said tunneling.